

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester : IV (Old)	Term : II	Academic Year : 2018-19
Course No. : AGRO 247	Title : Field Crops – II (Rabi Crops)	
Credits : 3 (2+1)		
Day & Date : Monday, 06.05.2019	Time : 09.00 to 12.00	Total Marks : 80

- Note :**
1. Solve ANY EIGHT questions from SECTION "A".
 2. All questions from SECTION "B" are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 Describe in short cultivation of Suru Sugarcane on following points.
- a) Fertilizer management
 - b) Water management
 - c) Planting time and methods
 - d) Varieties
- Q.2 Describe the cultivation of Tobacco on following key points.
- a) Soil and climate
 - b) Manures and fertilizers
 - c) Land preparation
 - d) Topping
- Q.3 Elaborate the following points of Wheat cultivation.
- a) Seed and sowing
 - b) Manures and fertilizers
 - c) Irrigation
 - d) Harvesting and yield
- Q.4 Elaborate the cultivation practices of Safflower crop on following points.
- a) Soil and climate
 - b) Seed and sowing
 - c) Manures and fertilizers
 - d) Harvesting and yield
- Q.5 Describe in brief cultivation of Chickpea on following points.
- a) Seed and sowing
 - b) Soil and climate
 - c) Manures and fertilizers
 - d) Irrigation
- Q.6 Elaborate the following points on Fodder maize cultivation.
- a) Manures and fertilizers
 - b) Varieties
 - c) Soil and climate
 - d) Sign of maturity and fodder yield
- Q.7 Give the information on following points about the cultivation of Mustard.
- a) Varieties
 - b) Seed and sowing
 - c) Fertilizer management
 - d) Crop rotation

(P.T.O.)

- Q.8 Describe in brief cultivation of Barley on following points.
- Recommended varieties
 - Seed and sowing
 - Manures and fertilizers
 - Harvesting and yield
- Q.9 Elaborate the following points of Berseem cultivation.
- Soil and climate
 - Manures and fertilizers
 - Seed rate and spacing
 - Economic importance
- Q.10 Write short notes (Any two).
- Medical uses of Isabgol
 - Seeds and sowing of potato
 - Economic importance and uses of Palmarosa

SECTION "B"

- Q.11 Fill in the blanks.
- Potato belongs to the family _____.
 - Botanical name of pea is _____.
 - Lemon grass belongs to _____ family.
 - Seed rate of oat is _____ kg/ha.
 - Sugar beet content _____ percentage of sugar.
 - Linseed contains _____ per cent oil.
 - Botanical name of opium poppy is _____.
 - Lentil is originated from _____.

- Q.12 Match the following pairs.

'A'

- Lucerne
- Lentil
- Sugar beet
- Citronella
- Sorghum
- Rape seed
- Barley
- French bean

'B'

- Phaseolus vulgaris*
- Hordeum vulgare*
- Cruciferae*
- Sorghum bicolor*
- Cymbopogon winterianus*
- Lens esculenta*
- Medicago sativa*
- Beta vulgaris*

